

BCSB Special Seminar:

Wednesday, September 14th 2005

Title:

Targeting Inactive Type III Receptor Protein Tyrosine Kinases for Inhibitor Design

Presented By: Dr. Clifford Mol
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Abstract:

Type III receptor protein tyrosine kinases (RPTKs), maintain an inactive state through inhibition by the juxtamembrane (JM) region. The enigmatic role of the JM, acting in *trans* as a substrate for tyrosine phosphorylation, and in *cis* as an auto-inhibitory domain, complicates the use of traditional screening methods for drug discovery. Methods for assessing compound interactions with the inactive state and the X-ray co-crystal structures of RPTKs will be presented.

Location:

Conference Room 6-2202

Time: 12:00 p.m.-1:00 p.m.